

July 9, 1997

VA APPROVED ADD-ON AUTOMOBILE ADAPTIVE EQUIPMENT

1. **PURPOSE:** This Veterans Health Administration (VHA) Directive provides policy and guidelines regarding add-on automobile adaptive equipment which has been tested and found to be in compliance with VA standards of safety and quality per VHA Manual M-2, Part IX, subparagraph 4.01a(2)(a).

2. **POLICY:** In accordance with Title 38 United States Code (U.S.C.) 3903(d), the Department of Veterans Affairs (VA) will only provide automobile adaptive equipment which has met minimum standards of safety and quality. Standards of safety and quality have been developed and testing has been conducted for van lifts, hand controls and low effort driving, steering and braking systems.

3. **ACTION**

a. The items in Attachment A, which have been tested and found to be in compliance with VA standards may be furnished to veterans in accordance with the policy and procedures for providing automobile adaptive equipment.

b. Adaptive equipment, available to the general public, which is manufactured under standards of safety imposed by a federal agency having authority to establish the same, shall be deemed to meet the required standards for use as adaptive equipment.

c. Current wheelchair lifts designed for installation in mini-vans are in conflict with VA standards for wheelchair van lifts, e.g., reduced width dimension of the lift platform. The following information is required on each request for a van lift which is not VA approved:

(1) Certification from the manufacturer that the wheelchair van lift meets all VA standards for safety and quality regarding wheelchair van lifts with the exception of the platform dimension.

(2) Verification that the wheelchair lift platform is at least 2 inches wider than the veteran's wheelchair.

(3) Verification that the veteran can safely use the reduced platform size to enter and exit the vehicle.

(4) Confirmation that the veteran has been advised that use of a larger wheelchair may compromise the veteran's safety.

(5) Confirmation that the veteran has been instructed to face outboard during the operation of the lift while ascending and descending.

d. Items of adaptive equipment for which standards have not been developed may be furnished under the authority of Title 38 Code of Federal Regulations (CFR) 17.155, provided the

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equipment meets industry standards and authorizing officials are assured of its safety. The following information is required on each request for these items or systems:

(1) Documentation that the veteran has been evaluated by a recognized driver training facility concerning the veteran's ability to safely operate the system and/or equipment.

(2) The veteran has been advised in writing that standards for evaluating the safety and quality of this system and/or equipment are not available and that VA is providing the system based upon the manufacturers' assurances.

(3) The manufacturer documents market experience of the system and commercialization acceptability, clinical tracking of the system's operational history, participation in clinic testing, certification to existing industry standards and assurances of compliance with future standards of safety and quality established by VA or other standard setting organizations.

(4) The adaptive equipment supplier and/or installer shall certify that the system provided meets the salient characteristics of the description and conforms to the manufacturers' own drawings, specifications, standards, quality assurance and best manufacturing practices. Proof of such conformance will be required at delivery and at the conclusion of the 90-day systems follow-up evaluation. This evaluation will be transmitted to the VA medical center and will be part of the veteran's clinical record.

4. **REFERENCES**

a. Title 38 U.S.C. 3903(d).

b. Title 38 CFR 17.155.

5. **FOLLOW-UP RESPONSIBILITY**: The Chief Consultant, Prosthetic and Sensory Aids Service Strategic Healthcare Group (113), is responsible for the contents of this directive.

6. **RESCISSIONS**: Directive 10-94-070 is rescinded. This VHA directive will expire on July 9, 2002.

S/ by Thomas Garthwaite, M.D. for
Kenneth W. Kizer, M.D., M.P.H.
Under Secretary for Health

Attachment

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ATTACHMENT A

VHA APPROVED AUTOMOBILE ADAPTIVE EQUIPMENT

1. Van Lifts

MANUFACTURER	MODEL N O.	TYPE
a. Braun Corporation	L-404, TP, 405 & 406	FOLDING
	L-400-U,SE	FOLDING
	L-401-U,SE	FOLDING
	L-402-U,SE	FOLDING
	L-800-X	ROTARY
	L-800-U	ROTARY
	L-100-U	FOLDING
	L-101-U	FOLDING
	L-810X	ROTARY
	L-810U	ROTARY
	L-127U	FOLDING
	L-304,5,6	FOLDING
	L-950	
b. Mobile Tech Corporation (Subsidiary of Collins (Ind.))	PT30ARS	FOLDING
	PS30	FOLDING
	PX30	FOLDING
	PX32	FOLDING
	PS32	FOLDING
	UVL-450 (Compliance	FOLDING (under vehicle)
	UVL-550 with subpar. 3.d	
	UVL-600 required)	
c. Crow River Industries, Inc.	7684 L	FOLDING (Swinger)
	7684 R	FOLDING
	GA 900 (Model 32)	FOLDING
	7688	FOLDING
	UA-100	FOLDING
d. Drive Master Corp.	V1A1, VAPC 2	ROTARY
e. Electro Van Lift	EV-S	ROTARY
f. Handicaps, Inc.	Superarm 2000	Patient Wheelchair Hoist (PWH)
g. Originator Corporation	NLBCV	ROTARY
h. Pick-A-Lift, Inc.	SL5	ROTARY (Right Hand)

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	SL6	ROTARY (Left Hand)
i. REB Manufacturer Co.	5030GX,GXH,RSP 5033GX,GXH,RSP 5630GX,GXH,5230RSP 5633GX,GXH,5233RSP 6230GX,GXH,6030RSP 6233GR,GRH,6033RSP 6430GR,GRH,6230RSP 6433GR,GRH,6233RSP 6430RSP 6433RSP 6830RSP 6833RSP 7030RSP 7033RSP	FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING
j. Ricon Corporation	S1000 S1001 S1200 S1231 S2000 GB III (Prem & Spirit) (Uni-lite) U-6-2940, 3240 2944, 3244, 2944T, 3244T 2636, 2639, 2644	FOLDING FOLDING FOLDING FOLDING FOLDING ROTARY FOLDING FOLDING FOLDING

2. Van Lifts - Mini Vans

MANUFACTURER	MODEL NO.	TYPE
a. Ricon Corporation	Mini Rider R-60	FOLDING
b. Braun Corporation	L127UB L127UPB L127U52B L127U52PB L127U54B L127U54PB L127U58B L127U58PB L127U64B L127U64PB L100U44B L100U44PB L100U52B	FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING FOLDING

	L100U52PB	FOLDING
	L100U54B	FOLDING
	L100U54PB	FOLDING
	L100U64B	FOLDING
	L100U64PB	FOLDING
	L304B	FOLDING
	L304PB	FOLDING
	L305B	FOLDING
	L305PB	FOLDING
	L306B	FOLDING
	L404B	FOLDING
	L404PB	FOLDING
	L405B	FOLDING
	L405PB	FOLDING
	L406B	FOLDING
c. Crow River	7688LA (Mini Vangator)	FOLDING

3. Hand Controls

MANUFACTURER	MODEL NO.	TYPE
a. Automobility Manufacturing Corp.	CT 901	PUSH-PULL
b. As-Tech, Inc.	ABC 300	PUSH-PULL
c. Creative Controls, Inc.	6000 (Moto-Mate) ULL	PUSH-PULL 6001
d. Drive Master Corp.	DIXL	PUSH-PULL
e. Driving Aids Development Corp.	DADC500 DADC500P DADC500B	PUSH-TWIST PUSH-PULL BRAKE ONLY
f. Electric Mobility Controls	EGB II&11F (Compliance) with subpar. 3.d. required)	PUSH-PULL
g. Ferguson Auto Service	Ferg-Mi	PUSH-RIGHT-ANGLE-P

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h. Gresham Driving Aids	#6800 #8700 Q-1000	PUSH-RIGHT-ANGLE-P PUSH-PULL HORIZONTAL-PUSH-P
i. Handicaps, Inc.	Supergrade IV #100, 110, 102	PUSH-RIGHT-ANGLE-P
j. Howell Ventures, Ltd.	SG-1 (Suregrip) SG-2	PUSH-PULL BRAKE-ONLY
k. Kroepke Kontrols, Inc.	HC 1952	PUSH-PULL
l. Manufacturing and Production Services Corporation	Monarch Mark IA	PUSH-RIGHT-ANGLE-P
m. Mobility Products and Design, Inc.	#3500 #3502 #3700	PUSH-RIGHT-ANGLE-P PUSH-RIGHT-ANGLE-P PUSH-RIGHT-ANGLE-P
n. Wells-Engberg	MC-25 MC 50 PN-PP100 (Compliance with subpar. 3.d. required) CT 100 CP 200	PUSH-TWIST PUSH-TWIST PUSH-PULL PUSH-TWIST PULL-PUSH
o. Wright-Way Inc.	#100	PUSH-RIGHT-ANGLE-P

4. Augmented Driving Systems (Low Effort)

a. Low Effort Systems

MANUFACTURER	MODEL
(1) <u>ATI-Assistive Technology Intil Inc.</u>	
BTV Horizontal Steering System	HZS-100
BTV No Effort Power Steering	RES-200
BTV Low Effort Power Steering System	ZES-300
BTV Power Steering Back-up System	BUS-300
BTV Vacuum Servo Brake and Accelerator System	VBG-100, BSS-200
BTV Low Effort Braking System	REB-200
BTV Vacuum Back-up Brake System	VBU-100

(2) Creative Controls, Inc. (Compliance with subpara. 3.d. required)

Vacuum Brake and Gas

Brake Booster

Brake Booster

Back-up Brake System

Steering System

Steering System

Back up Steering System

Model

8011, 8012, 8013, 8014

2110

2120

2130

2140

2150

2160

(3) DBA All-Tech

Back-Up Brake System

Back-Up Steering System

Reduced Effort Steering Modification

Reduced Effort Brake Modification

Model

BB20, BB21

BS20

LS10, ZS10, CS10,

ZSR10, CSR10

LB10, ZB10

(4) Drive Master Corporation

Low Effort Steering Back-Up System

No Effort Power Steering

Power Steering Back-Up System

Low Effort Power Brakes

No Effort Power Brakes

Back-Up Brake System

Horizontal Steering Column, Power Tilt

Model

V15

V23

V24

V16

V25

V26

V42

b. **Driving Systems/Special**

Model

(1) Anafield Corporation

Joystick Driving
System (Compliance with
subpara. 3.d. required)

(2) As-Tech, Inc.

XLS 200 Steering System
(Compliance with subpara.

3.d. required)

BSS Servo System

Gas/Brake

CRC 200 Console System

JSS-200

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(3) Electric Mobility Controls

Digidrive Driving System
(Compliance with subpar.

3.d. required)

(4) Driving Systems Incorporated

dSi 1005
Unilever Power Steering
and Braking Control, dSi
2005 Electric Control
System (Throttle